



additional information on the Hackensack
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Felix and Rosella:

Recall that we have a PATH model simulation which shows seasonal geometric mean Enterococci compliance for 1 in 3 year return period for both the Hackensack and Passaic Rivers on a grid cell by grid cell basis. The 1 in 3 year return bathing season condition is something between the bathing seasons of calendar year 2000 and calendar year 2003 results in probability space. At NJDEPs request, we examined the outputs for annual geometric compliance for the same condition. We found that the Passaic would have annual geometric mean compliance, but the Hackensack River would not. We were asked to investigate what months contribute to the elevated annual geometric mean in the Hackensack. From the perspective of calendar year 2000, the worst month is April (highest monthly geo mean), with February, March, May, September, and December also above 35/100 ml monthly geo mean. Calendar year 2003 is worse than calendar year 2000 and has several high months including February, March, April, June, November, and December. Cause doesn't fall to a single month. The calculated geo means for a given month can exceed 100/100 ml.

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